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Birds

CATALOGUE
OF THE
HALCYONIDÆ
IN THE COLLECTION OF
THE ACADEMY OF NATURAL SCIENCES
OF PHILADELPHIA.
BY
JOHN CASSIN.

NOVEMBER 1, 1852.



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Family HALCYONIDÆ.

I. Subfamily ALCEDININÆ.

1. Genus ALCEDO, Linneus.

1. ALCEDO ISPIDA, Linn. *Syst. Nat.* i. p. 179. *Selby, Ill. Brit. Orn.* pl. 40 fig. 1.
Gracula Atthis, Linn. *Syst. Nat.* i. p. 165. ?
Alcedo subispida et advena, *Brehm. Vog. Deuts.* i. p. 149, 150.
 1. Adult male, Sweden.
 2. Adult female, Sweden.
 3. Adult male, France. Presented by Wm. S. Warder, Esq.
 4. Adult male, France. Presented by A. L. Heermann, M. D.
 - 5, 6. Adults, Europe, from the Rivoli collection.
 7. Very young, Europe, from the same.
2. ALCEDO BENGALENSIS, Gm. *Syst. Nat.* i. p. 450. *Temm. and Schleg. Faun. Japon. Aves.* pl. 38.
"Alcedo hispidioides, Less." *Gray, Cat. Fiss. Brit. Mus.* p. 63.
Alcedo hispidula, *Catalogue of Rivoli collection* p. 23.
 1. Adult male, India. Presented by Mr. Thomas Ryan.
 2. Adult female, Bengal.
 3. Adult male, Java.
 4. Adult male, Java, from the Rivoli collection.
 - 5, 6. Adults, Japan, from the same.
 - 7, 8. Younger, from the same.
 9. A. bengalensis? male, Celebes.
 - 10, 11. Adults, India, from Capt. Boys' collection.
3. ALCEDO EURYZONA, Temm. *Pl. col.* iv. p. (Liv. 86. No plate of this species.)
Alcedo nigricans, *Blyth. Jour. As. Soc. Bengal*, 1847, p. 1180.
 1. Adult male, Molucca.
 2. Adult male, Borneo.
4. ALCEDO MENINTING, Horsf. *Trans. Linn. Soc. Lond.* xiii. p. 172.
Temm. Pl. col. 239, fig. 2.
Alcedo asiatica, *Sw. Zool. Ill.* i. pl. 50.
"Alcedo Bengalensis, Gm." *Lesson Traité* i. p. 243.
 1. Adult, Java, from the Rivoli collection.
 - 2, 3. Younger, Java, from the same.
 4. Young, Java, from the same.

5. *ALCEDO BERYLLINA*, Vieill. *Nouv. Dict.* xix. p. 414, (1818.) *Dict. des Sci. Nat. Ornith.* pl. 63, fig. 2. (Paris, 1823.)
Alcedo biru, Horsf. *Trans. Linn. Soc. Lond.* xiii. p. 172, (1822.)
Temm. Pl. col. 239, fig. 1.

1. Adult, Java, from the Rivoli collection.
2. Adult, Java.

6. *ALCEDO SEMITORQUATA*, Swains. *Zool. Ill.* iii. pl. 151.

- 1, 2. Adults, Cape of Good Hope, from the Rivoli collection.
3. Younger, Cape of Good Hope, from the same.
4. Adult male, Cape of Good Hope. Presented by Mr. J. P. Verreaux.

7. *ALCEDO QUADRIBRACHYS*, Bonap. *Consp. Av.* p. 158. *Jard. Cont. Orn.* 1851, pl.

"*Alcedo quadribrachys*, Temm. *Mus. Lugd.*" *Bonap. ut. sup.*

1. Adult, Guinea, from the Rivoli collection.
2. Adult, Western Africa, from Mr. Cassin's collection.
3. Younger, Western Africa, from the same.
4. Nearly adult, Gaboon, Western Africa, from Mr. Verreaux collection.

2. Genus *CERYLE*, Boie.

1. *CERYLE MAXIMA*, (Pall.) *Buff. Pl. Enl.* 679.

Alcedo maxima, Pallas. *Spic. Zool. Fasc.* vi. p. 14, (1769.)

Alcedo guttata, Boddaert. *Tab. Pl. Enl.* p. 42, (1783.)

Alcedo afra, Shaw, *Gm. Zool.* viii. p. 55.

Ispida gigantea, Swains. *B. of W. Af.* ii. p. 93, pl. xi. ?

- 1, 2, 3. Males, Cape of Good Hope, from the Rivoli collection.
4. Females, Cape of Good Hope.
5. Female, Africa, from the Rivoli collection.
6. Female, South Africa. Presented by Mr. John W. Rulon.

2. *CERYLE TORQUATA*, (Linn.) *Buff. Pl. Enl.* 284.

Alcedo torquata, Linn. *Syst. Nat.* i. p. 180.

Alcedo cinerea, Bonnaterre, *Ency. Meth. Orn.* p. 286, (ed. 1790.)

Alcedo cyanea, Vieill. *Nouv. Dict.* xix. p. 401.

Alcedo stellata, Meyen. *Nov. Act. Acad. Caes.* xvi. *Supp.* pl. 14.

- 1, 2, 3. Adults, South America, from the Rivoli collection.
- 4, 5. Younger, South America, from the same.
6. Young male, Cayenne.
7. Adult, Cayenne. Presented by C. Hering, M. D.

3. *CERYLE ALCYON*, (Linn.) *Wilson, Am. Orn.* iii. pl. 23, fig. 1.

Alcedo alcyon, Linn. *Syst. Nat.* i. p. 180.

Alcedo jaguacati, Dumont. *Dict. Sci. Nat.* i. p. 455, (Paris, 1816.)

Alcedo guacu, Vieill. *Nouv. Dict.* xix. p. 406 ?

Ispida ludoviciana, Gm. *Syst. Nat.* i. p. 452. *Buff. Pl. Enl.* 715.

1, 2. Adult males, North America, from the Rivoli collection.

3, 4. Female, North America, from the same.

5. Adult female, near Philadelphia. Presented by George C. Leib, M. D.

4. *CERYLE AMAZONA*, (Lath.) *Dubois, Orn. Gal.* pl. 85.

Alcedo amazona, Lath. *Ind. Orn.* i. p. 257.

Alcedo rubescens, Vieill. *Nouv. Dict.* xix. p. 408.

Alcedo vestita, Dumont. *Dict. des Sci. Nat.* xxix. p. 272.

1. Adult, National Bridge, Mexico, from Mr. Pease's collection.

2. Adult, Surinam. Presented by C. Hering, M. D.

3, 4, 5, 6. Adults, Brazil, from the Rivoli collection.

7. Adult, Rio La Plata, from the same.

5. *CERYLE INDA*, (Linn.) *Edward's Gleanings*, vii. pl. 335.

Alcedo inda, Linn. *Syst. Nat.* i. p. 179.

Alcedo bicolor, Gm. *Syst. Nat.* i. p. 451. *Buff. Pl. Enl.* 592.

Alcedo surinamensis, Gm. *Syst. Nat.* i. p. 448?

Alcedo viridirufa, Bodd. *Tab. Pl. Enl.* p. 36.

"*Alcedo indica*, Lath." *Drapiez, Dict. Class.* x. p. 231, (Paris, 1826.)

1. Adult, South America.

2. Younger, South America.

3. Adult, Cayenne, from the Rivoli collection.

4, 5. Younger, South America, from the same.

6. Young, Cayenne, from the same.

6. *CERYLE AMERICANA*, (Gm.) *Buff. Pl. Enl.* 591.

Alcedo americana, Gm. *Syst. Nat.* i. p. 451.

Alcedo viridis, Vieill. *Nouv. Dict.* xix. p. 413.

1. Adult, Brazil, from Mr. Cassin's collection.

2, 3. Adults, Surinam. Presented by C. Hering, M. D.

4. Adult, South America, from the Rivoli collection.

7. *CERYLE CABANISII*, (Tschudi.)

Alcedo Cabanisii, Tschudi. *Fauna Peru. Verteb.* p. 253.

1, 2. Adults, Mexico, from Mr. Pease's collection.

3, 4, 5, 6, 7. Adults, South America, from the Rivoli collection.

8. Younger, South America, from Mr. Cassin's collection.

8. *CERYLE SUPERCILIOSA*, (Linn.) *Edward's Glean.* v. pl. 245.

Alcedo superciliosa, Linn. *Syst. Nat.* i. p. 179. *Buff. Pl. Enl.* 756, fig. 2, 3.

1. Adult, Surinam. Presented by C. Hering, M. D.

2, 3. Adults, Cayenne, from the Rivoli collection.

4, 5, 6. Younger, South America, from the same.

9. *CERYLE RUDIS*, (Linn.) *Gould, B. of Eur.* pl. 62.
Alcedo rudis, Linn. *Syst. Nat.* i. p. 181.
Ispida bicincta, Swainson. *B. of W. Af.* ii. p. 95?
Ispida bitorquata, Swainson. *Cab. Cy. Birds* ii. p. 336?
Ceryle varia, Strickland. *Ann. and Mag. Nat. Hist.* vi. p. 418?

1, 2, 3. Adults, from the Rivoli collection.

4. *C. varia*, adult male, India. Presented by M. Burroughs, M. D.

5. *C. varia*, adult female, India. Presented by the same.

6, 7. *C. varia*, adults, India. Presented by Mr. Thomas Ryan.

8, 9. *C. bicincta*, adults, Western Africa, from Mr. Cassin's collection.

10. Adult, India. Presented by Mr. Thomas Ryan.

11, 12. Adults, India, from Capt. Boys' collection.

10. *CERYLE GUTTATA*, (Vig.) *Gould, Cent.* pl. 5.
Alcedo guttatus, Vigors. *Proc. Zool. Soc. Lond.* 1830, p. 22.
Alcedo lugubris, Temm. *Faun. Japon. Aves*, pl. 38. *Pl. col.* 548?

1, 2. Adults, India, from the Rivoli collection.

3. Adult, India, from Capt. Boys' collection.

3. Genus *CORYTHORNIS*, Kaup.

1. *CORYTHORNIS CRISTATA*, (Linn.)? *Buff. Pl. Enl.* 756, fig. 1.
Kittl. Kupf. pl. 29, fig. 3.
Alcedo cristata, Linn. *Syst. Nat.* i. p. 178?
"Alcedo cristata, Linn." *Kittl. ut sup. et al. auct.*

1. Adult, Cape of Good Hope, from the Rivoli collection.

2. *CORYTHORNIS CÆRULEOCEPHALA*, (Gm.) *Buff. Pl. Enl.* 356, fig. 1.
Alcedo cæruleocephala, Gm. *Syst. Nat.* i. p. 449.
Alcedo cyanocephala, Shaw. *Gen. Zool.* viii. p. 100.

1, 2. Adults, Fazogloa, Eastern Africa, from the Rivoli collection.

3. Adult, Africa, from the same.

4, 5. Adults, Western Africa, from Mr. Cassin's collection.

3. *CORYTHORNIS CYANOSTIGMA*, (Rüppel.) *Fauna Abyss. Ois.* pl. 24, fig. 2.
Alcedo cyanostigma, Rüppel, *ut sup.*

1. Adult? Cape of Good Hope, from the Rivoli collection.

2. Young? Cape of Good Hope, from the same.

3. Young female, Cape of Good Hope.

4. Female, Cape of Good Hope. Presented by Mr. J. P. Verreaux.

4. *CORYTHORNIS VINTSIOIDES*, Eyd. and Gerv. *Guerin's Mag.* 1836, p. 30, pl. 74.

Alcedo vintsioides, Eyd. and Gerv. *ut sup.*

"*Alcedo cristata*, Linn." *Shaw. Gen. Zool.* viii. p. 98.

- 1, 2. Adults, Madagascar, from the Rivoli collection.

4. Genus *ALCYONE*, Swainson.

1. *ALCYONE AZUREA*, (Lath.) *Gould, B. of Aust.* ii. pl. 25.

Alcedo azurea, Lath. *Index, Orn.* ii. *Supp.* p. xxxii.

Alcedo tribrachys, Shaw. *Nat. Misc.* xvi. pl. 681.

Ceyx cyanea, Less. *Traité d'Orn.* i. p. 241.

"*Alcedo tridactyla*, Shaw." *Lesson, ut sup.*

Alycyone diemenensis, Gould. *Proc. Zool. Soc. London*, 1846, p. 19?

1. Adult male, Australia, from Mr. Gould's collection.

2. Adult female, Australia, from the same.

3. Adult, Australia, from the Rivoli collection.

- 4, 5. *A. diemenensis*, Gould. Van Diemen's Land, from Mr. Gould's collection.

2. *ALCYONE PULCHRA*, Gould. *Proc. Zool. Soc. London*, 1846, p. 19.

1. Male, Northern Australia, from Mr. Gould's collection.

2. Female, Port Essington, from the same.

3. *ALCYONE LESSONII*, Cassin. *Proc. Acad. Philada.* v. p. 69.

1. New Guinea.

4. *ALCYONE PUSILLA*, (Temm.) *Gould, B. of Aust.* ii. pl. 26.

Ceyx pusilla, Temm. *Pl. col.* iv. p. (liv. 100,) pl. 595, fig. 3.

1. Adult, Port Essington, from Mr. Gould's collection.

II. Subfamily *HALCYONINÆ*.

Genus *HALCYON*, Swainson.

1. *HALCYON PILEATA*, (Bodd.) *Buff. Pl. Enl.* 673.

Alcedo pileata, Boddaert. *Tab. Pl. Enl.* p. 41.

Alcedo atricapilla, Gm. *Syst. Nat.* i. p. 453.

Alcedo luzonica, Gm. *Syst. Nat.* i. p. 453? *Sonn. Buff. Ois.* xx. p. 202.

Alcedo albiventris, Scop. *Flo. et Faun. Insub.* p. 90. *Sonnerat Voy.* iii. pl. 31?

Alcedo brama, Less. *Cent. Zool.* pl. 8.

1. Adult male, Malacca.

2. Adult female, Malacca.

- 3, 4. Males, India, from the Rivoli collection.

5. Female, India, from the same.

6. Adult, India. Presented by Mr. Wm. S. Vaux.

2. HALCYON CYANOVENTRIS, (Vieill.) *Temm. Pl. col.* 135.
Alcedo cyanoventris, Vieill. *Nouv. Dict.* xix. p. 412.
Alcedo melanoptera, Horsf. *Trans. Linn. Soc. London*, xiii.
p. 174.
"Alcedo omnicolor, Reinw." *Temm. Pl. col.* iv. p. (liv. 23.)
 1. Adult male, Java.
 2. Younger male, Java.
 3. Male, Java, from the Rivoli collection.
 4. Female, Java, from the same.
3. HALCYON SMYRNENSIS, (Linn.) *Buff. Pl. Enl.* 894.
Alcedo smyrnensis, Linn. *Syst. Nat.* i. p. 181.
 1. Adult, Burrampooter river, India. Presented by M. Burrough, M. D.
 2. Adult, India. Presented by Mr. Thomas Ryan.
 - 3, 4. Adults, India, from the Rivoli collection.
 5. Younger, India, from the same.
4. HALCYON FUSCA, (Bodd.) *Kittl.*Kupf. zur Nat. der Vög.* pl. 14,
fig. 2. *Buff. Pl. Enl.* 232.
Alcedo fusca, Boddart. *Tab. Pl. Enl.* p. 54.
"Alcedo rufirostris, Berliner Museum." *Kittlitz, ut sup.* p. 10.
Alcedo smyrnensis, var. *albogularis*, Blyth. *Jour. As. Soc. Beng.*
xii. pt. ii. p. 998.
Halcyon ruficollis, Swainson. *Cab. Cy. Birds* ii. p. 335, (1837.)
 - 1, 2. Adults, Philippines.
 3. Adult, India, from the Rivoli collection.
 4. Younger, Manilla, from the Rivoli collection.
5. HALCYON BADIA, Verreaux. *Rev. et Mag. de Zool.* 1851, p. 264.
 1. Adult male, Gaboon, from Messrs. Verreaux' collection.
6. HALCYON LUZULI, (Temm.) *Pl. col.* 508.
Alcedo luzuli, Temm. *Pl. col.* ii. p. (liv. 86.)
 1. Adult, New Guinea.
7. HALCYON DIOPS, (Temm.) *Pl. col.* 272.
Alcedo diops, Temm. *Pl. col.* ii. p. (liv. 86.)
 1. Adult, Sumatra.
8. HALCYON MACLEAYII, Jard. and Selby. *Ill. Orn.* ii. pl. 101. *Gould, B. of Aust.* ii. pl. 24.
Halcyon incinctus, Gould. *Proc. Zool. Soc. London*, 1837, p. 142.
Alcedo diaphthalmo-rufo-ventro, Homb. and Jacq. *Ann. Sci. Nat.* xvi. p. 315, (Paris, 1841.) ?
 1. Adult male, Moreton bay, Australia, from Mr. Gould's collection.

2. Adult male, Port Essington, from the same.
 3. Adult female, Port Essington, from the same.
 4. Young, Port Essington, from the same.
 5. Adult female, Port Essington, from the Rivoli collection.
9. HALCYON PULCHELLA, (Horsf.) *Temm. Pl. col.* 277, 586.
Alcedo pulchella, *Horsfield. Trans. Linn. Soc. London*, xiii.
 p. 175.
Dacelo buccoides, *Temm. Pl. col.* ii. p. (liv, 99.)
1. Adult male, Malacca.
 - 2, 3. Adults, Java, from the Rivoli collection.
 - 4, 5. Females, Malacca, from the same.
 6. Female, Sumatra, from the same.
10. HALCYON MELANOPS, Bonap. *Consp. Av.* p. 154.
 "Dacelo melanops, *Temm. Mus. Lugd.*" *Bonap. ut sup.*
1. Adult, Indian Archipelago.
11. HALCYON COROMANDA, (Lath.) *Sonnerat, Voy. Ind.* pl. 118.
Alcedo coromanda, *Lath. Ind. Orn.* i. p. 252.
Halcyon lilacina, *Sw. Cab. Cy. Birds* ii. p. 335.
Halcyon coromanda minor, *Schlegel. Fau. Jap. Aves*, p. 76.
Alcedo coromandeliana, *Scop. Flor. et Faun. Insub.* ii. p. 89?
Alcyon calipyga, *Hodg. Gray, Zool. Misc.* p. 82?
1. Adult male, Borneo.
 2. Very young, Borneo.
12. HALCYON SCHLEGELI, Bonap. *Cons. Av.* p. 156. *Temm. and Schl. Fau. Jap.* pl. 39.
Halcyon coromanda major, *Schlegel. Fau. Jap. Aves*, p. 76.
- 1, 2, 3. Adults, Java? from the Rivoli collection.
13. HALCYON CONCRETA, (Temm.) *Pl. col.* 346.
Dacelo concreta, *Temm. Pl. col.* ii. p. (liv. 58.)
1. Adult male, Sumatra.
 - 2, 3. Adults, Sumatra, from the Rivoli collection.
 4. Young, Sumatra, from the same.
 5. Young female, Sumatra.
14. HALCYON LINDSAYI, (Vig.) *Gray, Gen. pl.* 27. *Voy. Bonite, Ois.*
 pl. 7.
Dacelo Lindsayi et Lessonii, *Vigors. Proc. Zool. Soc. London*,
 1831, p. 97.
1. Male? Philippines, from the Rivoli collection.
 2. Female? Philippines, from the same.

15. HALCYON MONACHA, Bonap. *Cons. Av.* p. 154.
 "Dacelo monachus, cyanocephalus, et princeps, Forsten. Mus. Lugd." *Bonap. ut sup.*
Alcedo flavicans, Gm. *Syst. Nat.* i. p. 456?
 1. Male, from the Rivoli collection.
 2. Male, Celebes.
 3, 4. Females? Celebes.
16. HALCYON PRINCEPS, Bonap. *Cons. Av.* p. 154.
 "Dacelo monachus, cyanocephalus et princeps. Forsten. Mus. Lugd." *Bonap. ut sup.*
 1. Male, Seram.
 2. Female, Celebes.
17. HALCYON SENEGALENSIS, (Linn.) *Buff. Pl. Enl.* 594.
Alcedo senegalensis, Linn. *Syst. Nat.* i. p. 180.
 1, 2, 3. Adults, Gambia, from Mr. Cassin's collection.
 4. Adult, Africa, from the Rivoli collection.
 5, 6. Young, Senegal, from the same.
 7. Adult, Africa, from the same.
18. HALCYON SENEGALOIDES, A. Smith. *S. Af. Quar. Jour.* 1834, p. 143. *Ill. Zool. S. Africa, Aves*, pl. 63.
 1. Adult, Port Natal, from the Rivoli collection.
 2. Adult, Port Natal.
19. HALCYON MALIMBICA, (Shaw.) *Vieill. Gal. des Ois.* pl. 187.
Alcedo Malimbica, Shaw. *Gen. Zool.* viii. p. 66, (1811.)
Alcedo cinereifrons, Vieill. *Nouv. Dict.* xix. p. 403, (1818.)
Halcyon torquatus, Swainson. *B. of W. Af.* ii. p. 99.
Alcedo canerophaga, Lath. *Ind. Orn.* i. p. 249. *Buff. Pl. Enl.* 334?
Alcedo cyanopectoralis, *Catalogue of Rivoli collection*, p. 23.
 1. Adult, Rio de Bontry, Ashantee.
 2. Adult, Port Natal.
 3, 4. Adults, Senegal, from the Rivoli collection.
 5. Younger, Western Africa, from Mr. Cassin's collection.
 6. *H. canerophaga*, (Lath.) Senegal, from the Rivoli collection.
20. HALCYON FUSCICAPILLA, (Lafr.) *Guerin, Mag. de Zool.* 1833, *Ois.* pl. 18.
Dacelo fuscicapilla, Lafresnaye, *ut sup.*
Dacelo striata, Drapiez. *Dict. Class. d'Hist. Nat.* x. p. 223, (1826.)?
 "Dacelo vaillanti, Temm. Mus. Lugd." *Bonap. Cons. Av.* p. 154.

- 1, 2, 3. Adults, Cape of Good Hope, from the Rivoli collection.
 4. Male in moult, Cape of Good Hope. Presented by Mr. J. P. Verreaux.
 5. Young female, Cape of Good Hope. Presented by the same.
 - 6, 7. Very young males, Cape of Good Hope. Presented by the same.
21. HALCYON CHELICUTI, (Stanley.) *Rüpp. Zool. Atlas*. pl. 28, fig. b.
Alcedo Chelicuti, Stanley. *Salt's Trav. in Abyss. App.* p. 56, (1814.)
 "Dacelo pygmaeus, Mus. Franc." *Rüpp. Zool. Atlas*, Vög. p. 42, pl. 28.
 "Dacelo pygmaea, Cretzschm." *Bonap. Cons. Av.* p. 154.
Alcedo striolata, Licht. *Verz.* p. 12, (Sept. 1823.)?
Alcedo variegata, Vieill. *Ency. Meth.* i. p. 397, (1823.)?
1. Adult, Port Natal.
 2. Adult female, Cape of Good Hope. Presented by Mr. J. P. Verreaux.
 - 3, 4. Adults, Zanzibar, from the Rivoli collection.
 - 5, 6. Adults, Africa, from the same.
- 7, 8, 9, 10. *H. striolata*, (Licht.), Western Africa, from Mr. Cassin's collection.
22. HALCYON RUFIVENTER, Swains. *B. of. W. Af.* ii. p. 101, pl. 12.
Alcedo semicærulea, Forskal. *Forskal, Desc. Animal. Aves.* p. 2, (1775)?
Alcedo canerophaga, Forster. *Desc. Animal*, p. 4, (1844.)?
Dacelo Acteon, Lesson. *Traité d'Orn.* i. p. 247?
Haleyon erythrorhynchus, Gould. *Proc. Zool. Soc. London*, 1837, p. 22?
Haleyon Swainsoni, A. Smith. *Quart. Jour. S. Africa*, 1836, p. 143?
 "Alcedo erythrogaster, Temm." *Bon. Cons. Av.* p. 155.
- 1, 2, 3. Adults, Fazagloa, from the Rivoli collection.
 - 4, 5. Younger, Fazagloa, from the same.
 6. Young, Senegal, from the same.
 7. Adult, Gambia, from Mr. Cassin's collection.
 8. *H. erythrorhynchus*,? Western Africa. Presented by A. A. Henderson, M. D., U. S. Navy.
23. HALCYON JAVANICA, (Shaw.) *Pl. Enl.* 757.
Alcedo javanica, Shaw. *Gen. Zool.* xiii. p. 100.
Alcedo leucocephala, Gm. *Syst. Nat.* i. p. 456?
1. Adult, Java.
 2. Younger, from the Rivoli collection.
24. HALCYON GURIAL, Pearson. *Jour. As. Soc. Bengal*, 1841, p. 633.
Alcedo capensis, Linn. *Buff. Pl. Enl.* 590?

Halcyon bruniceps, Jerdon. *Madr. Jour. Lit. and Sci.*, 1844
p. 143.

1. Female, Sumatra.
2. Male? India.
3. Adult, India. Presented by C. F. Hufnagle, M. D.
- 4, 5, 6. From the Rivoli collection.
7. Adult male, India, from Capt. Boys' collection.
8. Adult female, India, from the same.

25. *HALCYON AMAUROPTERA*, Pearson. *Jour. As. Soc. Bengal*, 1841,
p. 635.

1. Adult, India. Presented by M. Burrough, M. D.
2. Adult, India, from the Rivoli collection.
3. Adult, India.

26. *HALCYON MELANORHYNCHA*, (Temm.) *Pl. col.* 391.
Alcedo melanorhyncha, Temm. *Pl. col.* iv. p. (liv. 66.)

1. Female, from the Rivoli collection.

2. Genus *TODIRAMPHUS*, Lesson.

1. *TODIRAMPHUS CHLORIS*, (Bodd.) *Buff. Pl. Enl.* 783, fig. 2.
Swains. Zool. Ill. i. pl. 27.

Alcedo chloris, Boddaert. *Tab. dez Pl. Enl.* p. 49, (1783.)

Alcedo collaris, Scopoli. *Flor. et Faun. Insub.* pt. ii. p. 90, (1786.)

Alcedo chlorocephala, Gm. *Syst. Nat.* i. p. 454, (1788.)

1. Adult male, Java, from Mr. Gould's collection.
- 2, 3. Adult males, Java.
4. Adult female, Java.
- 5, 6, 7. Adults, from the Rivoli collection.
- 8, 9. Adults. Presented by Prof. Spencer F. Baird.
10. Female, Abyssinia?
11. Nearly adult female? Timor.
12. Younger, Timor.
13. Young, Java, from the Rivoli collection.

2. *TODIRAMPHUS SACER*, (Gm.) *Mem. Soc. Hist. Nat. Paris*, iii. pl.
11, (1827.)

Alcedo sacra et tuta, Gmelin. *Syst. Nat.* i. p. 453. Lesson, *ut*
sup. and Voy. Coquille, Zoologie, i. p. 686.

"*Alcedo collaris*, Forster." *Licht. Desc. An.* p. 162.

Dacelo coronata, Peale. *Voy. Vincennes and Peacock, Birds*,
p. 160.

1. Adult male? Tahiti, from the Rivoli collection.
- 2, 3, 4. Young females, Borabora.
- 5, 6. Young, Borabora.

4. *TODIRAMPHUS VAGANS*, (Less.) *Voy. Erebus and Terror, Birds*,
pl. 1.
Alcedo vagans, Lesson. *Voy. Coquille, Zoologie*, i. p. 694, (1826.)
" *Alcedo cyanea*, Forster." *Lichtenstein, Desc. An.* p. 76, (1844.)
1. Nearly adult, Tahiti?
2. Younger, New Zealand? from the Rivoli collection.
5. *TODIRAMPHUS AUSTRALASIÆ*, (Vieill.) *Gould, B. of Aust.* ii.
pl. 21.
Alcedo australasia, Vieillot. *Nouv. Dict.* xix. p. 419, (1818.)
Halcyon sanctus, Vig. and Horsf. *Trans. Linn. Soc. London*,
xv. p. 206.
1, 2, 3, 4. Adult males, South Australia, from Mr. Gould's col-
lection.
5. Male, Port Essington, from the same.
6. Adult female, Port Essington, from the same.
7, 8. Adult females, Western Australia, from the same.
9. Adult, Australia, from the same.
10. Adult, Australia. Presented by Prof. S. S. Haldeman.
11. Adult male, Australia? from the Rivoli collection.
12. Adult, Australia? from the same.
13. Young, Australia? from the same.
14. Adult, Sumatra? from the same.
15. Adult, from the same.
16, 17. Younger, Borneo?
6. *TODIRAMPHUS RECURVIROSTRIS*, Lafresnaye. *Rev. Zool.* 1842, p.
134, (May.)
Halcyon platyrostris, Gould. *Proc. Zool. Soc. London*, 1842, p.
72, (June.)
Dacelo minima, Peale. *Voy. Vincennes and Peacock, Birds*, p.
159.
1. Adult, Navigators' Island, from Mr. Gould's collection.
7. *TODIRAMPHUS PYRRHOPYGIUS*, (Gould.) *Gould, B. of Aust.* ii.
pl. 22.
Halcyon pyrrhopygia, Gould. *Proc. Zool. Soc. London*, 1840,
p. 113.
1, 2. Adults, Australia, from Mr. Gould's collection.
3. Younger, Australia, from the same.
4. Adult, Australia, from the Rivoli collection.
8. *TODIRAMPHUS SAUROPHAGUS*, (Gould.) *Voy. Sulphur, Birds*,
pl. 19.
Halcyon saurophaga, Gould. *Proc. Zool. Soc. London*, 1843,
p. 103.
" *Alcedo cyanoleuca*, Temm." *Bonap. Consp. Av.* p. 157, (not
Vieill.)

"*Alcedo albicilla*, Cuv." *Dumont, Dict. des Sci. Nat.* xxix. p. 273? (1823.)

1, 2. Adult males, New Guinea.

9. *TODIRAMPHUS SORDIDUS*, (Gould.) *Gould, B. of Aust.* ii. pl. 23.
Haleyon sordida, Gould. *Proc. Zool. Soc. London*, 1842, p. 72.

1, 2. Adults, North Australia, from Mr. Gould's collection.

10. *TODIRAMPHUS DIVINUS*, Lesson. *Voy. Coquille, Zoologie* i. p. 687,
(1826.) *Mem. Soc. Hist. Nat. Paris* iii. p. 422, pl.
12, (1827.)

Dacelo nullitorquis, Peale. *Voy. Vincennes and Peacock, Birds*,
p. 155.

"*Alcedo tutu*, Gm." *Gray, Cat. Fiss. Brit. Mus.* p. 58.

"*Todiramphus sacer*, Less." *Gray, ut sup.*

"*Alcedo sacra et tuta*, Gm." *Bonap. Consp. Av.* p. 156.

1. Male, Tahiti, from Dr. Townsend's collection.

2. Female, Tahiti, from the same.

3, 4, 5. Males, Tahiti, from the Rivoli collection.

6, 7. Females, from the same.

11. *TODIRAMPHUS CINNAMOMINUS*, (Swains.) *Zool. Ill.* ii. pl. 67.

Haleyon cinnamominus, Swains. *Zool. Ill.* ii. p.

"*Dacelo ruficeps*," *Cat. Rivoli collection*, p. 24.

"*Alcedo ruficeps*, Cuv." *Dumont, Dict. Sci. Nat.* xxix. p. 273,
(1823.)?

1. Adult, Vanikoro.

2, 3, 4. Younger, Ladrones, from the Rivoli collection.

12. *TODIRAMPHUS CORONATUS*, (Müll.)

Haleyon coronata, Müller. *Verh. Nat. Gesch.* i. p. 175.

1, 2. Adults, Timor.

13. *TODIRAMPHUS TOROTORO*, (Less.) *Voy. Coquille*, pl. 31 bis. fig. 1.

Haleyon torotoro, Lesson. *Voy. Coquille*, i. p. 689.

Syma Lessonia, Swains. *Cab. Cy. Birds*, ii. p. 335.

Haleyon flavirostris, Gould. *Jard. Cont. Orn.* 1850, p. 105. *B.*
of Aust. Supp. pl. ?

1. Adult, Havre de Dory, New Guinea.

2. *H. flavirostris*, male, Australia, from Mr. Gould's collection.

3. The same, female, Australia, from the same.

3. Genus *ISPIDINA*, Kaup.

1. *ISPIDINA PICTA*, (Bodd.) *Gray's Genera*, pl. 28.

Todus pictus, Boddaert. *Tab. Pl. Enl.* p. 49.

Todus cæruleus, Gm. *Syst. Nat.* i. p. 444. *Buff. Pl. Enl.* 783,
fig. 1.

Alcedo ultramarina, Daud. *Ann. du Mus. Nat. Paris*, ii. p. 441.
Alcedo pusilla, Shaw. *Nat. Mis.* v. pl. 159.
Alcedo capistrata, Shaw. *Gen. Zool.* viii. p. 94.
 "Alcedo todina, Merr." Bonap. *Consp. Av.* p. 159.
Haleyon cyanotis, Swainson. *B. of W. Africa*, ii. p. 103.
 "Alcyone coronata, Smith." Gray, *Cat. Fiss. Brit. Mus.* p. 65.
Alcedo leucorhyncha, Gm. *Seba, Mus.* pl. 53, fig. 3 ?
Alcedo nitida, Kaup. *Die Fam. Alcedidæ*, p. 12 ?

1. Adult male, Port Natal.
2. Adult male, Cape of Good Hope.
3. Adult female, Senegal.
4. Younger, Fazagloa, from the Rivoli collection.
- 5, 6. Young, Senegal, from the same.
7. Young, Port Natal.

2. *ISPIDINA MADAGASCARIENSIS*, (Linn.) *Buff. Pl. Enl.* 778, fig. 1.
Alcedo madagascariensis, Linn. *Syst. Nat.* i. p. 179.
Dacelo rufulus, Lafresnaye. *Rev. Zool.* 1838, p. 224.

1. Adult, Madagascar ? from the Rivoli collection.

3. *ISPIDINA LEUCOGASTRA*, (Fraser.) *Zoologia Typica, Birds*, pl. 4.
Haleyon leucogaster, Fraser. *Proc. Zool. Soc. London*, 1843, p. 4.

1. Adult, Gaboon. Presented by Mr. Edward Verreaux.

4. Genus CEYX, Lacepede.

1. *CEYX TRIDACTYLA*, (Linn.) *Buff. Pl. Enl.* 778, fig. 2. *Jerdon, Ill. Ind. Orn.* pl. 25.
 "Alcedo tridactyla, Linn. Mantiss. 1771, p. 524." Gm. *Syst. Nat.* i. p. 459.
Alcedo rubra, Bodd. *Tab. Pl. Enl.* p. 48.
Alcedo purpurea, Gm. *Syst. Nat.* i. p. 449.
Alcedo erithaca, Linn. *Syst. Nat.* i. p. 179. *Shaw, Nat. Misc.* ix. pl. 317 ?
Ceyx luzoniensis, Stephens. *Gen. Zool.* xiii. p. 106.
Ceyx microsoma, Burton. *Proc. Zool. Soc. London*, 1837, p. 89 ?

1. Adult, Malay archipelago. Presented by Mr. William S. Vaux.
- 2, 3. Adults, Singapore.

2. *CEYX MELANURA*, Kaup. *Die Fam. Alcedidæ*, p. 14.

1. Adult, Amboina.

3. *CEYX RUFIDORSA*, Strickland. *Ann. and Mag. Nat. Hist.* xix. p. 129. *Jard. and Selby Ill. Orn.* pl. 55, fig. 2.
 "Alcedo tridactyla, Gm. Linn." *Jard. and Selby Ill. Orn.* i. p. (last page in vol.)

"*Alcedo madagascariensis*, Linn." *Jerdon, Ill. Ind. Orn.* p.

1, 2. Adults, Java.

3, 4. Younger, from the Rivoli collection.

4. *CEYX LEPIDA*, Temm. *Pl. col.* iv. p. (liv. 100) pl. 595, fig. 1.

1. Adult male, Amboina.

2. Adult, Ternate.

3. Young male, Amboina.

III. Subfamily DACELININÆ.

1. Genus DACELO, Leach.

1. *DACELO GIGAS*, (Bodd.) *Gould, Birds of Aust.* ii. pl. 18.

Alcedo gigas, *Boddaert. Tab. Pl. Enl.* p. 40, (1783.)

Alcedo fusca, *Gm. Syst. Nat.* i. p. 454, (1788.)

Alcedo gigantea, *Lath. Ind. Orn.* i. p. 245 ?

Alcedo undulata, *Scop. Flor. et Faun. Insub.* p. 90 ? (1786.)

Choucalcyon australe, *Less. Traité*, i. p. 248.

1, 2. Adult males, Australia, from Mr. Gould's collection.

3. Adult female, New South Wales, from the same.

4. Young, New South Wales, from the same.

5. Adult male, Australia, from the Rivoli collection.

6. Young, Australia.

2. *DACELO CERVINA*, *Gould. Birds of Aust.* ii. p. pl. 20, (1848.)

Dacelo Salussii, *Label on specimen from Paris. Voy. Ast. et Zélée*, pl. 23, fig. 1.

1. Adult male, Port Essington, from Mr. Gould's collection.

2. Adult female, Port Essington, from the same.

3. Adult male, Timor.

3. *DACELO LEACHII*, Horsf. and Vig. *Gould, B. of Aust.* ii. pl. 19.

"*Dacelo Leachii*, *Lath. MSS.*" *Horsf. and Vig. Trans. Linn. Soc. London*, xv. p. 205.

1. Adult male, Cape York, from Mr. Gould's collection.

2. Adult female, Australia, from the same.

3, 4. Adults, Australia.

4. *DACELO GAUDICHAUDII*, (Quoy and Gaim.) *Voy. de l'Uranie, Ois.* pl. 25.

Alcedo Gaudichaudii, *Quoy and Gaim. Voy. de l'Uranie, Zoologie*, p. 112.

1, 2. Adults, New Guinea, from the Rivoli collection.

IV. Subfamily GALBULINÆ.

1. Genus GALBULA, Mæhring.

1. GALBULA VIRIDIS, Lath. *Ind. Orn.* i. p. 244. *Le Vaill. Jacamars*, pl. 47, 48.
Alcedo galbula, *Linn. Syst. Nat.* i. p. 182.
Galbula viridicauda, *Sw. Cab. Cy.* ii. p. 327.
Galbula rubricollis, *Shaw. Gen. Zool.* ix. p. 224. *Aud. and Vieill. Ois. dor. Jac.* pl. 2.
 1. Adult male, South America, from the Rivoli collection.
 - 2, 3. Females, South America, from the same.
 4. Female, (variety) Cayenne.
2. GALBULA MACULICAUDA, Selater. *Jard. Cont. Orn.* 1852, p. 29.
 - 1, 2; 3. Males, South America, from the Rivoli collection.
 4. Adult male, Brazil, from Mr. Selater's collection.
 5. Adult female, Brazil, from the same.
3. GALBULA RUFICAUDA, Cuv. *Reg. An.* i. p. 420, (1817.) *Le Vaill. Jac.* pl. 50.
Galbula leptura, *Sw. Cab. Cy.* p. 327.
Galbula macroura, *Vieill. Gal.* pl. 29.
 - 1, 2. Adult males, South America, from the Rivoli collection.
 3. Female, Surinam. Presented by C. Hering, M. D.
 4. Younger, Cumana, from the Rivoli collection.
4. GALBULA MELANOGENIA, Selater. *Jard. Cont. Orn.* 1852, p. 61.
 1. Adult, Honduras, from Mr. Selater's collection.
5. GALBULA CYANESCENS, Deville, *Rev. et Mag. Zool.* 1849, p. 56.
 1. Male, Peru, from Mr. Deville's collection.
 2. Female, Peru, from the same.
6. GALBULA TOMBACEA, Spix. *Av. Bras.* pl. 58.
 1. Adult, Peru. Presented by Joseph A. Clay, Esq.
 2. Adult, Peru.
7. GALBULA ALBIROSTRIS, Lath. *Ind. Orn.* i. p. 245. *Le Vaill. Jac.* pl. 51.
Galbula flavirostris, *Vieill. Nouv. Dict.* xvi. p. 443.
 1. Adult male, South America.
 2. Female, Cayenne.
 3. Male, Cayenne, from the Rivoli collection.
 4. Female, Cayenne, from the same.
 5. Adult male, Surinam. Presented by C. Hering, M. D.
8. GALBULA CHALCOCEPHALA, Deville. *Rev. et Mag. Zool.* 1849, p. 55.

1. Adult male, Amazon, South America.
2. Adult female, Amazon, South America.

9. *GALBULA CYANICOLLIS*, Cassin. *Proc. Acad. Philada.*, vol. v. p. 154, pl. 7.

- 1, 2. Adults? Para, South America.
3. Adult? South America.

10. *GALBULA LEUCOGASTRA*, Vieill. *Nouv. Dict.* xvi. p. 444. *Gray*, *Gen.* pl. 29.

Galbula albiventer, Cuv. *Reg. An.* i. p. 448, (1829.)
 "Galbula ænea, Temm." *Bonap. Cons. Av.* p. 152.

1. Adult male, Cayenne, from the Rivoli collection.
- 2, 3. Adult males, Brazil, from the same.
4. Female, South America.

11. *GALBULA PARADISEA*, (Linn.) *Le Vaill. Jac.* pl. 52.
Alcedo paradisea, Linn. *Syst. Nat.* i. p. 181. *Edw. Birds*, i. pl. 10.

1. Adult, South America, from the Rivoli collection.
2. Adult, South America. Presented by M. Burroughs, M. D.

2. Genus *JACAMARALCYON*, Cuvier.

1. *JACAMARALCYON TRIDACTYLA*, (Vieill.) *Spix. Av. Bras.* pl. 57, fig. 2.

Galbula tridactyla, Vieill. *Nouv. Dict.* xvi. p. 445.
Galbula ceycoides, Such. *Zool. Jour.* ii. p. 112.
Jacamaralcyon brasiliensis, Less. *Traité* i. p. 235.
Galbula armata, Sw. *Cab. Cy.* p. 328.

1. Adult male, Brazil.
2. Adult, Brazil, from the Rivoli collection.
3. Adult, Brazil.

2. *JACAMARALCYON INORNATA*, (Selater.)

Galbula inornata, Selater. *Jard. Cont. Orn.* 1852, p. 32.
Galbula lugubris, Swainson. *Cab. Cy.* p. 329?
Galbula albogularis, Spix. *Av. Bras.* ii. pl. 54?

- 1, 2. Adults, South America, from the Rivoli collection.
3. Adult, South America.

3. Genus *JACAMEROPS*, Cuvier.

1. *JACAMEROPS GRANDIS*, (Gm.) *Le Vaill. Jac.* pl. 54.

Alcedo grandis, Gm. *Syst. Nat.* i. p. 458.
Lamprottila platyrhyncha, Sw. *Cab. Cy. Birds*, ii. p. 336.

1. Adult male, South America.

- 2, 3. Adult males, Cayenne, from the Rivoli collection.
4. Female, Cayenne, from the same.
5. Male, Surinam. Presented by C. Hering, M. D.

4. Genus GALBALCYRHYNCHUS, Des Murs.

1. GALBALCYRHYNCHUS LEUCOTIS, Des Murs. *Rev. Zool.* 1845, p. 207. *Icon. Orn.* pl. 17.
 1. Adult male, Peru.
 2. Younger male, South America.

V. Subfamily TANYSIPTERINÆ.

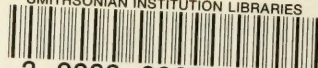
1. Genus TANYSIPTERA, Vigors.

1. TANYSIPTERA DEA, (Linn.) *Buff. Pl. Enl.* 116.
Alcedo dea, Linn. *Syst. Nat.* i. p. 181.
 1. Adult, Philippines.
 2. Adult male, Philippines, from the Rivoli collection.
2. TANYSIPTERA SYLVIA, Gould. *Jard. Cont. Orn.* 1850, p. 105. *B. of Aust. supp.* pl.
 1. Adult male, Australia, from Mr. Gould's collection.
 2. Adult female, Australia, from the same.





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